

3 a catheter;
4 a wire; and
5 a detachable elongate tip portion coupled to a distal portion of said wire
6 which is retrievable until detached, said tip portion being adapted to be
7 positioned in said body cavity to form an occlusion in said body cavity using one
8 or more implantations of detachable elongate tip portions from corresponding
9 wires, said wire having a radioopaque marker disposed thereon proximal on said
10 wire from a detachment point of said elongate tip portion from said wire by a
11 predetermined distance, said catheter having two radioopaque markers disposed
12 thereon and spaced apart from each other, wherein one of said two markers on
13 said catheter is provided at a distal end of said catheter and said other marker is
14 positioned proximally thereof,
15 wherein said radioopaque markers are disposed on said wire and said
16 catheter so that when said marker at said distal end of said catheter is disposed
17 adjacent to an opening of said body cavity and when said wire is telescopically
18 disposed in said [micro]catheter to approximately align said wire's radioopaque
19 marker with said more proximal catheter marker, said detachable elongate tip
20 portion then is fully disposed in said body cavity [catheter and does not extend
21 therefrom].

1 31. (twice amended) An apparatus for [use in combination with a
2 catheter to form] forming an occlusion within a body cavity comprising:

3 a catheter with a proximal end and a distal end;
4 a wire; and
5 a detachable elongate tip portion coupled to a distal portion of said wire
6 which is retrievable until detached, said detachable elongate tip portion having a
7 proximal end when detached from said wire, said tip portion being adapted to be
8 positioned in said body cavity to form an occlusion in said body cavity using one
9 or more implantations of [said] detachable elongate tip portions from
10 corresponding wires, said wire having a radioopaque marker disposed [thereon
11 proximal] on said wire a predetermined distance from a detachment [point]
12 section of said elongate tip portion from said wire [by a predetermined distance],
13 said catheter having [two] at least one radioopaque marker[s] disposed thereon
14 [and spaced apart from each other, wherein one of said two markers is provided
15 at a distal end of said catheter and said other marker is positioned proximally
16 thereof],
17 wherein said radioopaque markers are disposed on said wire and said
18 catheter so that when said [radioopaque marker provided at said] distal end of
19 said catheter is positioned at an opening of said body cavity to be occluded and
20 said wire is telescopically disposed in said catheter to approximately align said
21 [wire's] radioopaque marker on said wire with said radioopaque marker [provided
22 at said distal end of] on said catheter, [is then fully deployed into said body cavity
23 and] said proximal end of said detachable elongate tip portion is then disposed
24 when detached within said body cavity [by approximately said predetermined
25 distance].

1 ⁸
2 ~~32.~~ (twice amended) The combination of claim ⁷~~31~~ wherein full
3 deployment of said detachable elongate tip portion in said body cavity [by said
4 predetermined distance] positions a coupling of said detachable elongate tip
5 portion to said wire approximately 2 - 3 mm past said opening of said body
6 cavity.

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E1 1 ~~33~~. (twice amended) The combination of claim ~~31~~⁷ wherein said
2 detachable elongate tip portion is a long and substantially pliable segment
3 adapted to be multiply folded upon itself to substantially pack said body cavity.

11
1 ~~36~~. (twice amended) The combination of claim [26] ~~31~~⁷ wherein said
2 [core] wire and detachable elongate [top] tip portion are coupled by polyester.

12
E2 1 ~~37~~. (twice amended) The combination of claim ~~31~~⁷ wherein said tip
2 portion is detachable from said [core] wire by electrolytic disintegration of part of
3 said wire.

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2 ~~38~~. (once amended) The combination of claim ~~30~~¹ wherein full
3 deployment of said detachable elongate tip portion in said body cavity [by said
4 predetermined distance] positions a coupling of said detachable elongate tip
5 portion to said wire approximately 2 - 3 mm past said opening of said body
cavity.

3
E3 1 ~~39~~. (once amended) The combination of claim ~~30~~¹ wherein said
2 detachable elongate tip portion is a long and substantially pliable segment
3 adapted to be multiply folded upon itself to substantially pack said body cavity.

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E4 1 ~~41~~. (once amended) The combination of claim ~~30~~¹ wherein said wire and
2 detachable elongate [top] tip portion are coupled by polyester.
